

Design and Conduct the Experiment / Experiment Design Plan

Title:

Driving Question:

Hypothesis (If...then...):

Independent Variable:

Dependent Variable:

Control Group:

*What are the constants, controlled variables?
Quantify these where possible.*

Constants:

*How will you manipulate the independent
variable in each experimental group?*

Experimental Group 1:

Experimental Group 2:

Experimental Group 3:

Experimental Group 4:



Data Collection Details:

Dependent Variable:

Number of Trials (provide justification):

Data Analysis:

In the space below, outline the procedure you will use.

In your lab notebook, write the procedure steps of your lab. Another student or group should be able to replicate it. Include tables, graphs, or both to display the data necessary to answer your question.